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VASIL'YEV, V. G.

USSR/Oil Regions
Gas

Jun 1947

"The Archedinskiy Gas Deposits (Near Stalingrad and Rostov)," V. G. Vasil'yev, I. V. Vysotskiy, F. M. Panteleyev, 7 pp

"Neftyanoye Khozyaystvo" Vol 25, No 6

Sketch showing the suspected geotectonic parts of the Stalingrad district and neighboring districts. Map showing greater details of the suspected geologic structure containing gas near Stalingrad. Structural map of the subject gas layers. Table giving the chemical analysis of the gas hydrocarbons and percentages.

9T91

~~VASIL'YEV, V.G.~~; YEREMENKO, N.A., red.; SAVINA, Z.A., ved. red.;
POLOSINA, A.S., tekhn. red.

[Geologist's handbook on natural gas] Spravochnik geologa
po prirodnomu gazu. Moskva, Gostoptekhizdat. Vol. 2. [Laboratory
research] Laboratornye issledovaniia. 1952. 370 p.

(MIRA 16:8)

(Geological research)

VASIL'YEV, V.G.; KOSYGIN, Yu.A., redaktor; BEKMAN, Yu.K., redaktor;
PERSHINA, Ye.G., redaktor; POLOSINA, A.S., tekhnicheskiy redaktor.

[Natural gas handbook for a geologist] Spravochnik geologa po pri-
rodnomu gazu. Moskva, Gos.nauchno-tekhn. izd-vo neftianoi i gorno-
toplivnoi lit-ry. Vol.3. [Geological and prospecting work] Geologo-
poiskovye raboty]. 1955. 712 p. (MIRA 8:5)
(Gas, Natural--Geology) (Prospecting)

V. G. Vasil'yev, V. G.

AID P - 2741

Subject : USSR/Mining
Card 1/2 Pub. 78 - 11/22
Authors : Kalinin, N. A., Sovchenko, V. P. and Vasil'yev, V. G.
Title : Results of the conference on geochemical oil and gas exploration methods
Periodical : Neft. khoz., 33, 7, 55-60, J1 1955
Abstract : This conference was called to discuss the results obtained in geochemical exploration of oil and gas deposits by using soil analysis for the purpose of determining the hydrocarbon content in places located above or near an underground oil or gas reservoir. The results up to this time have proved to be not quite satisfactory and the conference urged more laboratory and theoretical research in the possibilities of improving this method of exploration.

VASIL'YEV, V.G.; KARASEV, I.P.; KRAVCHENKO, Ye.V.

Geological structure of the southern region of the Siberian
Platform and oil-bearing possibilities of Cambrian deposits.
Neft,khoz.34 no.11:36-43 N '56. (MIRA 10:1)
1 (Siberian Platform--Petroleum geology)

Vasil'yev, V. G.

15-1957-7-9133

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 7,
pp 44-45 (USSR)

AUTHOR: Vasil'yev, V. G.

TITLE: Geomorphology of the Mountains of Southern Yakutiya
(K geomorfologii gor Yuzhnay Yakutii)

PERIODICAL: Uch. zap. Leningr. gos. ped. in-t, 1956, vol 116,
pp 235-251

ABSTRACT: The region is situated at the junction of two structures--the border of the Archean Aldanskiy covered platform and the Stanovoy Range. The Aldanskiy covered platform on the north is a region composed of Archean crystalline rocks. The Archean rocks are strongly deformed and are several thousand meters thick. In relief, they form horst with a flat upper surface and steep talus slopes. Near the southern part of the region, normal sedimentary rocks of Cambrian (?) and Jurassic age lie on the Archean. The Cambrian (?) rocks are limestones, which have formed

Card 1/4

15-1957-7-9133

Geomorphology of the Mountains of Southern Yakutiya (Cont.)

small domal highlands. All the deposits of the Aldanskiy covered platform have been cut by post-Jurassic intrusions. Jurassic rocks fill the intermontane depressions. Quaternary rocks are no thicker than several meters; they have only a slight effect on the topography, principally in stream valleys. The structure of the region is rather complex: the Aldanskiy covered platform is a Precambrian structural unit with normal folds trending in a northwesterly direction, complicated by small folds. The Stanovoy Range is an old Proterozoic folded zone. Repeated uplifts have produced horsts and grabens, which appear as long basins and mountain ridges of the Baykal type. Vertical movements are continuing at the present time, resulting in a step-like profile of the river valleys, a lower base level for the rivers of the Aldanskiy covered platform, and imbricate structure. Three geomorphic subdivisions of the region are distinguished: northern, central, and southern. The northern zone (the southern border of the Aldanskiy covered platform) is formed by a chain of mountainous massifs--Vasiliya Poyarkova, Yandy, Bruingry, and Dudina; the central

Card 2/4

15-1957-7-9133

Geomorphology of the Mountains of Southern Yakutiya (Cont.)

zone (a broad intermontane lowland) is a graben, intersected by en echelon ridges extending out from the Stanovoy Range; the southern zone consists of the Stanovoy Range and the associated Tintur and Kuchum Mountains. Two principal stages are differentiated in the development of the relief of the region: Paleozoic denudation and Mesozoic orogeny. At the beginning of the Paleozoic, the Aldanskiy platform and the Stanovoy Range formed a single unit--a peneplaned surface with step-like relief--as attested by the horizontal position of the Cambrian rocks. Later uplifts produced deep fractures and differential movement of individual blocks, increasing in the Mesozoic. A long period of continental erosion caused deep dissection and considerable removal of the sedimentary cover. Intense orogenic disturbance produced differential movements of great magnitude. The intermontane lowland, bordered by the northern Stanovoy Range, began to subside and to be filled with Jurassic sediments. Uplift at the end of the Jurassic and at later times led to the development of imbrication.

Card 3/4

15-1957-7-9133

Geomorphology of the Mountains of Southern Yakutiya (Cont.)

cate structure and to the rise of intrusive and extrusive material. Uplift is continuing at the present time in the Baykal arch, the northeastern periphery of which embraces the region discussed in this paper. The uplift results in a change in the base level of the streams and in the development of the step-like profiles of the river valleys. The distinctive geomorphic features of the region have been controlled by its geological structure.

Card 4/4

I. M. Klebanova

BUZULUTSKOV, Fedor Semenovich; GUROVA, Tamara Ivanovna; KOROBENIKOVA,
Lidiya Illarionovna; PLUMAN, Viktoriya Aleksandrovna; PODA,
Antonida Grigori'yevna; SROKINA, Yevgeniya Gerbetovna; TASHINA,
Klavdiya Vasil'yevna; VASIL'YEV, V.G., red.; PERSHINA, Ye.G.,
ved.red.; MUKHINA, E.A., tekhn.red.

[Lithology of the Mesozoic and Cenozoic of the West Siberian
Lowland] Litologija mezozoia i kainozoia Zapadno-Sibirskoi
nizmennosti. Moskva, Gos.nauchno-tekhnik.izd-vo neft.i gorno-
toplivnoi lit-ry, 1957. 187 p. (MIRA 10:12)
(Siberia, Western--Petrology)

VASIL'YEV, Viktor Grigor'yevich; KALENOV, Yevgeniy Nikolayevich; KARASEV,
Ivan Petrovich; KRAVCHENKO, Yevgeniy Vasil'yevich; MANDEL'BAUM,
Mark Mironovich; BORISOV, A.A., redaktor; FILIPPOVA, Ye.A., vedushchiy
redaktor; POLOSINA, A.S., tekhnicheskiy redaktor.

[Geological structure of the southern Siberian Platform and the
oilbearing prospects of Cambrian rocks] Geologicheskoe stroenie
iuga Sibirs'koi platformy i neftenosnost' kembriia. Pod red.
A.A.Borisova. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-
toplivnoi lit-ry, 1957. 226 p. (MIRA 10:11)
(Siberian Platform--Geology, Structural) (Petroleum geology)

VASIL'YEV, Viktor Grigor'yevich; VYSOTSKIY, I.V.,redaktor; PER'KOV, N.A.,
redaktor; BRISKMAN, A.A.,redaktor; BEKMAN, Yu.K.,vedushchiy redaktor;
CHIZHOV, A.A.,vedushchiy redaktor; GENNAD'YEVA, I.M.,tekhnicheskiy
redaktor

[Geologist's reference manual on natural gas] Spravochnik geologa po
prirodnomu gazu. Leningrad, Gos. nauchno-tekhn. izd-vo neft. i
gornotoplivnoi lit-ry, Leningr. otd-nie. Vol. 4.[Prospecting]
Razvedochnye raboty. 1957. 612 p. (MLRA 10:5)
(Gas, Natural)

VASIL'YEV, V.G.; KARASEV, I.P.; KRAVCHENKO, Ye.V.

[REDACTED]
Basic trends in prospecting for oil and gas regions of the Siberian
Platform. Geol. nefti 1 no.1:11-19 Ja '57. (MLBA 10:8)
(Siberian Platform--Petroleum geology)
(Siberian Platform--Gas, Natural--Geology)

BARKHATOV, G.V.; VASIL'YEV, V.G.; KISELEV, S.I.; TIKHOMIROV, Yu.P.

Oil- and gas-bearing potential of the Verkhoyansk piedmont fault
and basic trends in prospecting this region. Geol. nefti 1 no.4:
1-7 Ap '57. (MIRA 10:8)

(Verkhoyansk Range--Petroleum geology)
(Verkhoyansk Range--Gas, Natural--Geology)

BARKHATOV, G.V.; VASIL'YEV, V.G.; GRISHIN, G.L.; KARASEV, I.P.; KISELEV,
S.I.; KRAVCHENKO, Ye.V.; MORDOVSKIY, V.T.; TIKHOMIROV, YU.P.;
CHEPIKOV, K.R.; YUNGANS, S.M., ved.red.; FEDOTOVA, I.G., tekhn.red.

[Oil and gas in the eastern Siberian Platform] Neftegazonosnost'
Vostochno-Sibirskoi platvormy. Pod red. K.R. Chepikova. Moskva,
Gos.nauchno-tekhnik.izd-vo neft. i gorno-toplivnoi lit-ry, 1958.
(MIRA 12:1)
130 p.

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(Siberian Platform--Gas, Natural)
(Siberian Platform--Petroleum)

KAZARINOV, Vladimir Panteleymonovich; VASIL'YEV, V.G., red.; YERSHOV, P.R.,
vedushchiy red.; YUDOTOVA, I.G., tekhn. red.

[Mesozoic and Cenozoic deposits in Western Siberia] Mezozoiskie i
kainozoiskie otlozheniya Zapadnoi Sibiri. Moskva, Gos. nauchno-
tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1958. 323 p.
(Siberia, Western—Geology) (MIRA 11:8)

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Problems in oil and gas prospecting methods. Geol. nefti 2 no.2:
1-6 F '58. (MIRA 11:2)
(Petroleum geology) (Gas, Natural--Geology)

VASIL'YEV, V.G.

Method for determining the age of a platform. Geol.nefti 2 no.3:
24-30 Mr '58. (MIRA 12:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut geofiziki.
(Geology, Structural)

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CIA-RDP86-00513R001858920005-3

VASIL'YEV, V.G.; YELIN, N.D.

Estimated gas reserves in the Soviet Union. Gaz. prom. no.11:
1-4 N '58. (MIRA 11:11)
(Gas, Natural--Statistics)

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858920005-3"

VASIL'YEV, V.G., red.; PERSHINA, Ye.G., vedushchiy red.; TROFIMOV, A.V.,
~~redactor~~

[Geology, and oil and gas potentials of the Yakut A.S.S.R.]
Voprosy geologii i neftegazonosnosti I Akutskoi ASSR. Moskva,
Gos.nauchno-tekhnic.izd-vo neft. i gorno-toplivnoi lit-ry, 1958.
146 p. (MIRA 12:9)

1. Russia (1923- U.S.S.R.) Ministerstvo geologii i okhrany nedr.
Yakutskoye geologicheskoye upravleniye.
(Yakutia--Petroleum geology)

MININ, V. S., MIRONENK, I. S., DOL, I. O., IVANOV, V. S., VYKONOV, I. V.,
OLENIN, V. B. (SECTION I)

"Principal Regularities in the Distribution of Oil and Gas
Accumulations Throughout the World."

Report submitted at the Fifth World Petroleum Congress, 30 May -
5 June 1959. New York.

Vasili'ev, V.E.

SAVINSKIY, Konstantin Aleksandrevich; MANDEL'BAUM, Mark Mironovich;
TROITSKIY, Vsevolod Nikolayevich; SHEKHT, Naum Iosifovich;
D'yachkov, Nikolay Pavlovich; VASILI'EV, V.G., red.;
PERSHINA, Ye.G., vedushchiy red.; VEDOTOVA, I.G., tekhn.red.

[Efficiency of geophysical methods of prospecting in the
southern part of the Siberian Platform, the Transbaikal
Depression, and the Far East] Effektivnost' geofizicheskikh
metodov razvedki v iuzhnoi chasti Sibirs'koi platformy, vpadi-
nakh Zabaikal'ia i Dal'nego Vostoka. Moskva, Gos.nauchno-tekhn.
izd-vo neft. i gorno-toplivnoi lit-ry, 1959. 114 p. (MIRA 12:6)
(Prospecting--Geophysical methods)

BOKSERMAN, Yu.I.; BORISOV, A.A.; BROD, I.O.; VASIL'YEV, V.G.; YELIN, N.D.;
YEROFEEV, N.S.; KUDRYASHOVA, N.M.; LIVOV, M.S.; MIRCHINK, M.F.;
MURATOVA, A.T.; NEVOLIN, N.V.; SOKOLOV, V.L.; TROFIMUK, A.A.;
YERSHOV, P.R., vedushchiy red.; TROFIMOV, A.V., tekhn.red.

[Gas resources of the U.S.S.R.] Gazovye resursy SSSR. Moskva,
Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1959.
350 p.

(Gas, Natural)

3(5) PHASE I BOOK EXPLORATION Sov/2219

RSPR. Diagnose upravlye geologii i ekhany nefti i neftogazonnosti. Vostochno-Sibir (Geology and Oil- and Gas-bearing Possibilities of Eastern Siberia). Moscow, Gosudarstvennoye izdatelstvo nauchno-tekhnicheskoy literatury. 1959. 486 p. 1,650 copies printed.

Additional Sponsoring Agency: Vostochno-Sibirs'kiy neftegeologicheskiy traktat.

Ed.: V.G. Vasili'yev; Executive Ed.: Ye.G. Pereshina; Tech. Ed.: I.D. Fadova.

PURPOSE: The book is intended for geologists interested in the stratigraphy, lithology, tectonics, and the oil- and gas-bearing possibilities of the Eastern Siberian Platform and Zabaykalye.

COVERAGE: This collection of articles contains materials on the stratigraphic classification and lithologic characteristics of sediments of the Cambrian system and of the so-called "ancient beds" developed along the northern slope of the Eastern Sayan Mountains and the western littoral of Lake Baykal. Extensive information on the petrography and paleontology of these deposits is presented. A number of articles deal with the tectonics of the southern part of the Siberian Platform and its oil- and gas-bearing possibilities or the Baykal-type depressions. There are 40 tables, 74 figures, and 4 charts. There are 205 Soviet references.

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VASIL'YEV, Viktor Grigor'yevich; VOLKHONIN, Vladimir Stepanovich;
GRISHIN, Grigory Leont'yevich; IVANOV, Andrey Khrisanfovich;
MARINOV, Nikolay Aleksandrovich; MOKSHAFTSEV, Konstantin Borisovich;
SHIPULIN, F.K., doktor geologo-minralog.nauk, red.;
BEKMAN, Yu.K., vedushchiy red.; POLOSINA, A.S., tekhn.red.

[Geological structure of the Mongolian People's Republic;
stratigraphic and tectonic] Geologicheskoe stroenie Mongol'skoi
Narodnoi Respubliki; stratigrafiia i tektonika. Pod red. F.K.
Shipulina. Leningrad, Gos.nauchno-tekhn.izd-vo neft. i gorno-
toplivnoi lit-ry, 1959. 493 p.
(MIRA 12:3)
(Mongolia--Geology)

VASIL'YEV, V.G.; GRISHIN, G.L.; MOKSHANTSEV, N.B.

Mesozoic stratigraphy of the eastern part of Mongolia [with summary in English]. Sov. geol. 2 no.2:68-84 F '59.

(MIRA 12:5)

1. Glavnaya geologorazvedochnaya upravleniye.
(Mongolia--Geology, Stratigraphic)

ANSIMOV, V.V.; VASIL'YEV, V.G.; GRISHIN, G.L.; ROVNIN, L.I.; ERV'YEV, Yu.G.

Berezovo gas-bearing region and prospects for its development.
Geol. nefti i gaza 3 no.9:1-6 S '59. (MIRA 13:1)

1.Tyumenskoye geologicheskoye upravleniye.
(Berezovo region (Tyumen Province)--Gas, Natural--Geology))

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YEROFEYEV, N.S.; VASIL'YEV, V.G.

Extend prospecting for new gas fields. Geol.nefti i gaza 3
no.1:9-13 Ja '59. (MIRA 12:4)
(Gas, Natural--Geology)

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CIA-RDP86-00513R001858920005-3"

ANSIMOV, V.V.; VASIL'YEV, V.G.; ROVNIN, L.I.; STAROSEL'SKIY, V.I.;
ERV'YE, Yu.G.; MIGAY, L.S., vedushchiy red.; TROFIMOV, A.V.,
tekhn.red.

[Berezovo gas-bearing region] Berezovskii gazonosnyi raion.
Pod red. V.G.Vasil'eva. Moskva, Gos.nauchno-tekhn.izd-vo neft.
i gorno-toplivnoi lit-ry, 1960. 59 p. (MIRA 13:7)
(Berezovo region (Tyumen Province)--Gas, Natural--Geology)

BORISOV, Aleksandr Aleksandrovich; VASIL'YEV, Viktor Grigor'yevich;
GRISHIN, Grigoriy Leont'yevich; IVANOVA, Marta Nikolayevna;
L'VOV, Mikhail Sergeyevich; SHIRYAYEV, I.Ye., red.; PERSHINA,
Ye.G., vedushchiy red.; FEDOTOVA, I.G., tekhn.red.

[Oil and gas prospecting in Siberia, Kamchatka, and the north-eastern U.S.S.R.] Sostoianie i osnovnye napravleniya poiskovo-razvedochnykh rabot na neft' i gaz v Sibiri, na Kamchatke i severo-vostoche SSSR. Pod red. I.E.Shiriseva. Moskva, Gos. nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1960.
105 p. (MIRA 13:9)

(Siberia--Petroleum geology)
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BORISOV, Aleksandr Aleksandrovich; VASIL'YEV, Viktor Grigor'yevich;
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SEMENOVICH, Vladimir Vladimirovich; GRATSIAHOVA, O.P., red.;
DEMENT'YEVA, G.A., vedushchiy red.; GAMINA, L.V., tekhn.red.

[Studies of the geology, and oil and gas potentials of Central
Asia] Ocherki geologicheskogo stroenija i neftegazonosnosti'
Srednei Azii. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-
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(Soviet Central Asia--Petroleum geology)
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V.G.; KOBELYATSKIY, I.A.; NIKOLAEVSKIY, A.A.; TIKHOMIROV, Yu.P.;
CHEPIKOV, K.R.; CHERSKIY, N.V.; CHICHMAREV, V.G.; BEIMAN, Yu.K.,
vedushchiy red.; MUKHINA, E.A., tekhn.red.

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V.G. Vasil'eva. Moskva, Gos.nauchno-tekhn. izd-vo neft. i gorno-
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(Yakutia--Petroleum geology)
(Yakutia--Gas, Natural--Geology)

VASIL'YEV, V.G.; GRACHEV, G.I.; NEVOLIN, N.V.; OZERSKAYA, M.L.; PODOBA, N.V. Prinimali uchastiye: ALEKSEYCHIK, S.N.; GUSHKOVICH, S.N.; DIKEMSHTEYN, G.Kh.; DZVELAYA, M.F.; DRABKIN, I.Ye.; IVANOVA, M.N.; KAZARINOV, V.P.; KALININA, V.V.; KOZLENKO, S.P.; MEDVEDEV, V.Ya.; PUSTIL'NIKOV, M.R.; ROSTOVTSOV, N.N.; SKOBLIKOV, G.I.; STEPANOV, P.P.; TITOV, V.A.; FOTIADI, E.E.; CHIRVINSKAYA, M.V.; SHMAROVA, V.P. GRATSIANOVA, O.P., red.; BEKMAN, Yu.K., vedushchiy red.; MUKHINA, E.A., tekhn.red.

[Manual for geophysicists in four volumes] Spravochnik geofizika v chetyrekh tomakh. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry. Vcl.1. [Stratigraphy, lithology, tectonics, and physical properties of rocks] Stratigrafija, litologija, tektonika i fizicheskie svoistva gornykh porod. Pod red. O.P. Gratsianovci. 1960. 636 p. (MIRA 14:1)
(Petroleum geology) (Gas, Natural--Geology)

VASIL'YEV, V.G.

Summary characteristics of the gas fields of the U.S.S.R. Gaz.
prom. 5 no. 12:1-7 D '60. (MIRA 14:1)
(Gas, Natural)

VASIL'YEV, V.G.; KOBELYATSKIY, I.A.; TIKHOMIROV, Yu.P.; CHURSKIY, N.V.

Current problems relative to gas prospecting in the Yakut
A.S.S.R. Gaz.prom. 5 no.1:13-17 Ja '60.

(MIRA 13:4)

(Yakutia—Gas, Natural—Geology) (Prospecting)

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LI CHZHAO-ZHEN' [Li Chao-Jen]; GOLYAKOV, V.A.; SHAEATIN, I.V.;
BORISENKO, Ye.M.; MIROSHNIKOV, M.V.; USPENSKAYA, N.Yu.;
KHEL'KVIST, V.G.; GRATSIANOV, O.P.; BUDNIKOV, N.B.; BELOV, K.A.;
MAKSIMOV, S.P.

Discussion. Trudy VNIGNI no.32:282-336 '60. (MIRA 14:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut prirodnogo gaza (for Vasil'yev, Zhivago, Khel'kvist). 2. Neftepromyslovoe upravleniye Stavropol'neft' (for Merzlenko). 3. Groznenskiy nauchnoissledovatel'skiy neftyanoy institut (for Matskevich).
4. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im. I.M. Gubkina (for Li Chzhao-zhen', Uspenskaya). 5. Stavropol'skiy filial Groznenskogo nauchnoissledovatel'skogo neftyanogo instituta (for Golyakov, Shabatin, Borisenko, Miroshnikov).
6. Ministerstvo geologii i okhrany nedor SSSR (for Gratsianova, Budnikov). 7. Glavnnyy geolog neftyanogo i gazovogo upravleniya Stavropol'skogo sovnarkhoza (for Belov).

(Caucasus, Northern—Petroleum geology)

(Caucasus, Northern—Gas, Natural—Geology)

KUDINOVA, Yekaterina Andreyevna. Prinimala uchastiye POTAPOVA, V.V.,
geolog. VASIL'IEV, V.G., otv.red.; MIRAKOVA, L.V., red.izd-va;
MAKOGONOVA, I.A., tekhn.red.

[Geotectonic development of the texture of the central provinces
of the Russian Platform] Geotektonicheskoe razvitiye strukturny
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CHERSKIY, Nikolay Vasil'yevich; BONDARENKO, V.I., red.;
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M.K., red.; RYABINKIN, L.A., red.; PERSHINA, Ye.G., vedushchiy red.;
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(Elin, N.D.) (Erofeev, N.S.) (Korotkov, S.T.)
(L'vov, M.S.) (Mironchev, Iu.P.) (Muratova, A.T.)
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KLESHCHEV, A.I.; KUDRYASHOVA, N.M.; L'VOV, M.S.; SIMAKOV,
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"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858920005-3

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VASIL'YEV, V.G.; GORENKO, G.L.; MIRONCHEV, Yu.P.

Natural gas fields in Siberia. Gaz. prom. 10 no.1:8-13 '65.
(MIRA 18:1)

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VASIL'YEV, V.G.; VOROB'YEV, E.S.; DUDKO, N.A.; ZIL'BERMAN, V.I.; KLITOCHENKO,
I.F.; LITVINOV, V.R.; TKHORZHENSKIY, S.A.; CHERPAK, S.I.

Present status of and prospects for the development of the pro-
duction of natural gas in the eastern Ukrainian oil- and gas-
bearing region. Gaz. prom. 10 no.4:1-6 '65. (MIRA 18:5)

ACC NR:

AM5010599

Monograph

UR/

Mirchink, M. F.; Vasil'yev, V. G.; Dikenshteyn, G. Kh.; YEnkiyev, P. N.; YKrofeyev,
N. S.; Kirov, V. A.; L'vov, M. S.; Maksimov, S. P.

Geological basis for the development of the U.S.S.R. petroleum and gas industry
(Geologicheskiye predposylki razvitiya neftegazodobyvayushchey promyshlennosti
SSSR) Leningrad, Izd-vo "Nauka", 1965, 112 p. illus., 1,000 copies printed.

TOPIC TAGS: petroleum industry, geologic survey, prospecting, gas

PURPOSE AND COVERAGE: This book views geological results of prospecting and surveying for petroleum and gas in recent years, especially the last seven years. A short description is given of the geological structure of main petroleum and gas containing regions and perspective regions. Also, an estimation of the development of the regions is made, and data is given for the analysis of the present position of prospecting and surveying for petroleum and gas. This book is recommended for a wide group of specialists in petroleum and gas industries, workers in geological services of the Councils of National Economy, prospecting and surveying enterprises, and training and planning organizations.

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ACC NR:
AM6010599

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possible regions in the U.S.S.R. -- 14
Ch. III. The present state and perspectives of prospecting and surveying work for
petroleum and gas -- 79
Ch. IV. Effectiveness of the prospecting and surveying work -- 93
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SUB CODE:11,08 / SUBM DATE: 23Jun65 ORIG REF:

Card 2/2

105-9-14/32

AUTHOR: Vasil'yev, V.G., Candidate of Technical Sciences

TITLE: Selecting Parameters for a Resonant Element Measuring Frequency (Vybor parametrov rezonansnogo izmeritel'nogo elementa chastoty)

PERIODICAL: Elektrichestvo, 1957, Nr 9, pp. 55-58 (USSR)

ABSTRACT: On the occasion of the determination of optimum parameters of the resonance circuit the limited character of its single elements, which depend on the material used, must be taken into account. The conditions resulting herefrom are mentioned and explained. In order to find the optimum parameters of the resonance circuit the values of the two coefficients k_1 and k_2 must first be found.

$$k_1 = \pm \frac{R}{\sqrt{\omega_n L} - \frac{1}{r_k}} \quad k_2 = \pm \frac{r_k + r_b}{r}$$

$R = r + r_b + r_k$ is the effective resistance, r is the equivalent resistance, r_b is the equivalent resistance of the rectifier dependent on the effective losses in winding and core, r_k is the resistance of load, ω_n is the nominal circuit frequency, ω_0 is the resonance frequency. The author shows that the maximum

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Selecting Parameters for a Resonant Element Measuring Frequency.

sensitiveness Δ for frequency changes in the case of given impedance measurements and measuring coil measurements can be reached if j_{DW} (current density in the impedance winding in the case of resonance) = j_m (highest-tolerable value of current density) as in the case P_V^m - the copper-losses of the impedance in the case of $\omega = \omega_n$ reach their maxima. In the case of small losses of steel in the impedance $P_S \rightarrow 0$ Δ depends little on the value of current-density in the reactor winding j_{DW} . If j_{DW} is reduced the measurements of the necessary condenser become smaller, but also the control range $\Delta\omega$ becomes smaller. In the case of a decrease of j_{DW} the magnetic conduction G must be increased, that is to say the airgap must be decreased. The latter reduces the thermal steadiness of the reactor. There are 2 figures and 5 Slavic references.

ASSOCIATION: Khar'kov Polytechnical Institute (Khar'kovskiy politekhnicheskiy institut)

SUBMITTED: August 1, 1956.

AVAILABLE: Library of Congress

Card 2/2

VASIL'YEV, V.G., Cand Tech Sci -- (diss) "Dynamic
properties of reproducing systems." Mos, 1958,
14 pp (Min of Higher Education. Mos Order of Lenin
Power Engineering Inst) 150 copies. Bibliography at
end of text (12 titles) (KL, 28-58, 105)

- 24 -

VASIL'YEV, V.G.

24-58-3-1/38

AUTHOR: Vasil'yev, V.G. (Moscow)

TITLE: The Response of Electrical Filters to Non-harmonic Signals
(Rabota elektricheskikh fil'trov pri negarmonicheskikh
vozdeystviyakh)PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh
Nauk, 1958, Nr 3, pp 3-13 (USSR)

ABSTRACT: A method of determining the transfer properties of electrical filters subject to currents or voltages which are arbitrary bounded time-functions satisfying the Demy-Lipschitz and certain other conditions is considered, being an extension of previous work. In section 1 the input is assumed to belong to the assembly of random continuous bounded time-functions to which the Riemann-Mellin transform can be applied. The transfer function is supposed analytical over the whole p-plane. The transient response is then derived by considering closed contours in the p-plane. In section 2 various types of transmission response corresponding to different p-plane areas are considered. In section 3 the properties of passive four-terminal networks are analyzed (pass and stop bands, generalized resonance). In 4, detailed formulae designed to give numerical values in particular cases are derived, and their limitations in practical use are considered. In 5,

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24-58-3-1/38

The Response of Electrical Filters to Non-harmonic Signals

detailed numerical consideration is given to the type of low-frequency filter encountered in automatic devices; the whole discussion relates to filters with lumped constants, many of the operations being very elegantly effected by operational calculus methods. The earlier parts of this paper are fairly standard, but some of the later results are new. There are 11 figures, 1 table and 7 Soviet references.

SUBMITTED: September 19, 1957.

1. Electric filters--Performance 2. Electric filters--Signal
Card 2/2 factors

VASIL'YEV, V. G.

102-1-3/10

AUTHOR:

Vasil'yev, V. G. (Moscow).

TITLE:

On the Evaluation of the Accuracy of the Reproduction of Disturbances by Linear Servo-systems and by Recording Systems (Ob otsenke technosti vospriizvedeniya vozdeystviy lineynymi sledyashchimi i registriruyushchimi sistemami).

PERIODICAL: Avtomatika i Telemekhanika, 1958, Vol. 19, Nr 1, pp. 26-48 (USSR).

ABSTRACT:

At the beginning, the underlying basic ideas and the terminology are detailed. 1) The reproduction system. Such a system is here understood to consist of an apparatus with an arbitrary mode of operation, which is destined to transform an input signal into an output signal, with a given correspondence, of the dependence of the signals with respect to time. The following relation holds for systems with a simple reproduction: $d_{\text{output}}(t) = Kd_{\text{input}}(t)$ (1) in the case of an idealized observational process and $d_{\text{output}}(t) = Kd_{\text{input}}(t + \tau)$ (2) in the case of an idealized registration process. $d_{\text{input}}(t)$ denotes the disturbance, $d_{\text{output}}(t)$ the reproduction. A system, which guarantees the satisfaction of (1) is here designated to represent an exactly observing system with a scale of reproduction K , whereas a system,

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On the Evaluation of the Accuracy of the Reproduction of
Disturbances by Linear Servo-systems and by Recording Systems.

100-1-3/10

which ensures the satisfaction (2) is considered to represent an exactly recording system with a scale of reproduction K and the time lag τ . In this paper, the reproduction properties of linear systems with a punctiform distribution of constant parameters, is investigated. 2) The transformation function of the system and the distortion function. By the introduction of the latter it is possible to consider the actual system to consist of two independently operating systems: One exact system with the transformation (transmitting) function $K_0(p) = K(0)$, p denoting a complex variable, (or $K_\tau(p) = K(0) e^{-\frac{p}{\tau}}$)

$$\frac{K^{(1)}(0)}{K(0)} p$$

, respectively) and another system, distorting the signal with the distortion function $\Delta_0(p) = K(0) \chi_0(p)$, or $\Delta_\tau(p) = K(0) \chi_\tau(p)$, respectively. 3) Disturbances. For the purpose of classifying the disturbances and their peculiarities, the parameters M , denoting the modulus of disturbance $M = \max \sup_{0 \leq t \leq T} |d(t)|$ and \sum , deno-

tting the limit of the local index (for the given class) of the disturbance for the rise time, characterising the rise (or drop) gradient

Card 2/4

On the Evaluation of the Accuracy of the Reproduction of
Disturbances by Linear Servo-systems and by Recording Systems.

103-142/10

of the disturbance of the given class within a time interval
 $0 < t \leq \infty$, are given:

$$\Omega = \max_{0 \leq k \leq \infty} \sqrt{\sup_{0 \leq t \leq \infty} \left| \frac{a(k)}{a(t)} \right|^2}$$

input

The second part contains the necessary and sufficient conditions for an exact reproduction. Two types of conditions for an exact reproduction are distinguished with respect to the character of agreement between the reproduction and the disturbance: Conditions for an exact observation and conditions for an exact reproduction. The necessary conditions are given first, the first of which says: $a < b$ (a denoting the right hand boundary of the domain of the particular points $K(p)$, b denoting the left hand boundary of the domain of the class of disturbances \mathcal{F}_d , which is characterised by the parameters M and Ω) and the second of which for an exact reproduction, runs as follows: The moduli of the functions $X_i(p)$ and $X_i'(p)$ and their first (r_i-1) -derivatives in the domain \mathcal{F}_d must be sufficiently small (these functions representing the distortion-

Card 3/4

On the Evaluation of the Accuracy of the Reproduction of 103-129/1C
Disturbances by Linear Servo-systems and by Recording Systems.

functions). Then the first and the second sufficient condition for an exact observation and the first and second condition for an exact registration are given. The method of evaluation detailed here ensures the accuracy of reproduction. (of observation and of recording), by revealing the character of agreement between the reproducing system and the class of disturbance. There are 1 figure, 1 table, and 12 references, 11 of which are Slavic.

SUBMITTED: May 13, 1957.

AVAILABLE: Library of Congress.

1. Servo systems-Mathematical analysis 2. Recording systems-Mathematical analysis

Card 4/4

AUTHOR:

Vasil'yev, V. G. (Moscow)

103-19-5-11/14

TITLE:

On the Connection Between Error Coefficients
and Amplitude and Phase-Frequency Characteristics of
Linear Reproducing Systems (O svyazi koeffitsiyentov
oshibok s amplitudnoj i fazovoj chastotnymi
kharakteristikami lineynyh vosproizvodashchikh sistem)

PERIODICAL:

Avtomatika i Telemekhanika, 1958, Vol. 19, Nr 5,
pp. 475-476 (USSR)

ABSTRACT:

This is a letter to the editor. Reference is made to the paper by A. M. Boyev in Avtomatika i Telemekhanika and shown that in this paper the connection between the error coefficients and the phase-frequency characteristic of the system was not explained. The nature of this connection is determined here and formulae connecting the error coefficients with Cauchy's factors for the amplitude-frequency and phase-frequency-characteristic of the system are derived. There are 3 references, all of which are Soviet.

Card 1/2

On the Connection Between Error Coefficients
and Amplitude and Phase-Frequency Characteristics of
Linear Reproducing Systems

103-19-5-11/14

SUBMITTED: November 15, 1957

AVAILABLE: Library of Congress

1. Mathematical computers--Performance

Card 2/2

VASIL'YEV, V.G.

PLATE 1 BOOK EXTRACITION

307/526

Kievskoje po vsej i zvezdnoj i sverk vsej zvezde
vsego vsego. Kiev, 1958
Teoriia i zvezdnoj i sverk priemysle i vsego vsego vsego
vsego vsego (Theory of Invention and its Applications to Economic Devices)
zvezdnoj i sverk (Theory of Invention and its Applications to Economic Devices)
zvezdnoj i sverk (Theory of Invention and its Applications to Economic Devices)
zvezdnoj i sverk (Theory of Invention and its Applications to Economic Devices)

opisno printed not given.

Sponsoring Agency: Akademie nauk Ukrainskoy SSR. Otdeleniye zvezdnoj i sverk
Institut. M. I. Kalashnikov, Kondensator; Editorial Commission: V.A. Butcher, Doctor
of Technical Sciences, A.G. Ivanenko, Doctor of Technical Sciences, Candidate of
Technical Sciences, V.I. Kuznetsov, Doctor of Physics and Mathematics, A.I. Kub-
anov, Doctor of Technical Sciences, V.M. Petrenko, Corresponding Member, Academy
of Technical Sciences, V.M. Glazakov, Doctor of Technical Sciences, Z.N. Tishchenko,
Doctor of Technical Sciences, V.K. Krasnor, Academician, Leader of Sciences Division
of Technical Sciences; V.I. Kuznetsov, Academician, and S.M. Chumakov, Candidate of
Technical Sciences; Tech. Ed.: G.I. Kruglov.

Purpose: This collection of papers is intended for engineers and other specialists
working in various fields of automatic control.

CONTENTS: The collection includes reports and papers presented at the Conference
on the Theory of Automatics and its Applications to Economic Devices (Technical Engineering)
was called by the Order of the Ukrainian Technological Institute of Technical Engineering
and the Institute of Mathematics and Mechanics of the Ukraine and convened in Kiev October 10-
12, 1956. The papers presented are concerned with automatically automatic con-
trol systems designed on the basis of compensation for disturbances associated with re-
sidual or maintaining the invariant of the system. The reports present their
report to the disturbances acting on the system, the problems and prob-
lems of the mathematical foundations of invariance and calculating invariant, methods and prob-
lems of designing and calculating of practical applications of compensation
also consider methods for designing of practical applications it was established
also connected with specific cases of the use of the conditions of compensation and the
invariant of the system. On the basis of the conditions of compensation and the
principle of invariance, it is possible to produce automatic systems and various
arrangements which are more perfect from the viewpoint of quality of the reg-
ulation and control process stability, simplicity of construction, and reliability
of operation. The following members of the Kiev Section on Automatic Control
also are included as organizers of the conference: A.I. Kuznetsov, A.G. Ivanenko,
V.I. Kuznetsov, V.M. Chumakov, V.A. Butcher, and
V.I. Kruglov. References accompanying each article.

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- 5. Popov, O.M. Invariance up to \mathcal{E} in Combined Automatic-control Systems 102
- 6. Butcher, V.A. On the Application of the Principle of Compensation to
Design of Automatic Stabilizing Systems 112
- 7. Ivanenko, A.G. Combined Regulation as the General Case of Regulation 112
- 8. Popov, V.P. On Combined Regulation 116
- 9. Kuznetsov, V.M. On the Qualitative Properties of Control Processes in
Nonlinear Systems of Automatic Control of the Robot 118
- 10. Butcher, V.A. On the Use of Regulation Based on Disturbances in
Systems of External Control 119
- 11. Butcher, V.G. Problem of Invariance for Linear Stochastic Systems of
Differential Equations 119

CONT.

8

~~8 (2) 16,6800~~AUTHOR: Vasil'yev, Vyacheslav Georgiyevich,
Engineer

64051

SOV/161-59-1-20/25

TITLE: On a Method of Investigating the Dynamic Accuracy of Magnetic
OscilloscopesPERIODICAL: Nauchnyye doklady vyschey shkoly. Elektromekhanika i avtomatika,
1959, Nr 1, pp 165-180 (USSR)ABSTRACT: The author explains the possibility of using the method basing
on the application of time functions for the determination of the
dynamic accuracy in the construction and operation of magnetic
oscilloscopes as well as for various types of measuring devices
in which the loops of magnetic oscilloscopes are used as
recorders. For this method the time function $a_{\text{input}}(t)$ is used
for the recording of actions. It satisfies the condition
(B, 1). The dynamic properties of magnetic oscilloscopes are
investigated. In conclusion, the influence exerted by
electromotive force generated in the loop on the recording
properties of the oscilloscope is investigated, and it is shown
how this influence should be taken into account. The publication
of this article was recommended by the institute mentioned in

Card 1/2

4

On a Method of Investigating the Dynamic Accuracy of
Magnetic Oscillographs

SOV/161-59-1-20/25

the "Association". There are 4 figures and 18 references,
16 of which are Soviet.

recommended -
ASSOCIATION: TsAGI im. N. Ye. Zhukovskogo, g. Moskva (Central Aero-
hydrodynamical Institute imeni N. Ye. Zhukovskiy, Moscow)

SUBMITTED: May 22, 1958

W

Card 2/2

16.680

S/115/63/000/001/002/017
E031/E113AUTHOR: Vasil'yev, V.G.

TITLE: The reproduction of rapid processes by linear recording systems

PERIODICAL: Izmeritel'naya tekhnika, no.1, 1963, 6-9

TEXT: Suppose that for a recording system which can be regarded as linear with time-independent parameters there is known a function $\bar{a}_{out}(t)$ which is the reproduction of a step disturbance $\bar{a}_{in}(t) = N \cdot l(t)$. Then the oscillogram representation of the true character of the disturbance reduces to the solution of two integral equations which can be solved approximately for discrete values of the time in the interval $0 \leq t \leq t_{comp} \leq \infty$ to give values of the transient impulse function $k(t)$ and $a_{in}(t)$. An analysis is made of the error of these approximations. A proper choice of the quantity t_{comp}/n is required for the use of the method. The method makes it possible to introduce qualitative changes in the existing method of

JC

Card 1/2

The reproduction of rapid processes... S/115/63/000/001/002/017
E031/E113

recording physical processes. It can also be used to investigate
the dynamic characteristics of automatic control systems.
There are 5 figures and 1 table.

JC

Card 2/2

AUTHORS: Vasili'yev, V. G.; Kosikova, L. I.; Smirnova, I. M.

TITLE: An automatic device for the programmed control by a mechanism of the deflection angle of a model in a wind tunnel. Class 42, No. 169270

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 6, 1965, 61

TOPIC TAGS: deflection angle control, wind tunnel model test

ABSTRACT: This Author Certificate presents an automatic device for the programmed control by a mechanism of the deflection angle of a model in a wind tunnel (see Fig. 1). The device consists of a base, a vertical support, a horizontal beam, a servomotor, a lever system, and a model. The servomotor is connected to the lever system, which is connected to the model. The model is supported by a vertical support. The servomotor is controlled by a programmed signal. The model is deflected at different angles depending on the programmed signal. The device is used for testing models in a wind tunnel.

model reflection angle. STIG. 00000000000000000000000000000000

Card 1/5

L 41031-65

ACCESSION NR: AP5008558

ASSIGNMENT: none

SUBMITTED: 03Jun63

ENCL: 01

STB CODES: AC, ME

NO REF Sov: 000

OTHER: 000

Card 2/3

L 30989-66 EWT(1)/EWA(h)
ACC NR: AP6002942

(A)

SOURCE CODE: UR/0286/65/000/024/0106/0106

AUTHOR: Vasil'yev, V. G.21
8

ORG: none

25

TITLE: A scanning conversion functional generator. Class 42, No. 177170

SOURCE: Byulleten' izobreteniya i tovarnykh znakov, no. 24, 1965, 106

TOPIC TAGS: functional generator, scanning efficiency, reading machine, documentation

ABSTRACT: This Author Certificate presents a scanning conversion functional generator. The unit contains an emitter, an optical system, a photosensitive element, an abscissa drive, and an ordinate drive. The latter shapes the pulses of the output signal, a generator, and a sorting device. The design increases the precision and the speed of reading out documents which are on photofilm. The optical system has the form of an ellipsoid. A precision emitter is placed at one focus of the ellipsoid and a photosensitive element at the other focus. The ordinate drive contains a translucent rotating disk. A translucent pattern in the form of an Archimedes spiral is applied to this rotating disk.

SUB CODE: 09/ SUBM DATE: 03Oct63

UDC: 681.142

Card 1/1 JC

VASIL'YEV, V.G., kand.tekhn.nauk; VOLKOV, D.P., doktor tekhn.nauk

Using electronic models in investigating excavators. Stroi. i dor.
mashinostr. 4 no.3:6-9 Mr '59. (MIRA 12:4)
(Excavating machinery—Testing)
(Engineering models)

Docent SOV/144-59-9-1/15

AUTHOR: Vasil'yev, V.G., Acting Head of the Chair of Electrical Apparatus; and Zverev, V.A., Assistant

TITLE: Electronic Analoguing of the Hysteresis Characteristics of Magnetic Materials

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Elektromekhanika, 1959, Nr 9, pp 3-10 (USSR)

ABSTRACT: A number of articles dealing with electronic analogues (Kogan and Rozenblat, Refs 1, 2) have given a description of the circuits which are suitable for analoguing a simple rhomboic hysteresis loop. Two such circuits are shown in Figs 1 and 2. The circuit of Fig 1 consists of a limiter, a memory element and an amplifier. The insensitive zone or the width of the hysteresis loop is determined by the cut-off voltages of the limiter diodes, while the slope of the loop is determined by the output amplifier. The circuit of Fig 2 comprises an adding amplifier, a limiter and a memory device which is in the form of an integrator. If one of the above circuits is fitted with a functional converter, whose parameters are designed in accordance with the hysteresis loop of actual ferromagnetic material, it is possible to obtain a ✓

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SOV/144-59-9-1/15

Electronic Analoguing of the Hysteresis Characteristics of
Magnetic Materials

characteristic which would coincide with the actual function $B = f(H)$. An example of such a device is shown in Fig 3. The system is based on the circuit of Fig 1. The difference between the circuits of Fig 3 and Fig 1 lies in the fact that the output amplifier of the latter is replaced by a functional converter. The functional transformation consists of three linear segments, whose limit points are determined by the cut-off voltages of the diodes, while the slope is determined by the ratio of the total resistance of the feedback circuit to the input resistance. Hysteresis loops obtained by this circuit are shown in Fig 4. Analysis of the characteristics obtained by this device shows that the loops can be analogued only approximately. A different circuit is therefore suggested. This is shown in Fig 5. The device is suitable for the analoguing of the so-called "preliminary hysteresis loop". The circuit of Fig 5 is characterised by the fact that the analogue amplifier is preceded not by one but by a series of condensers. Each of the condensers is connected to the input of the

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SOV/144-59-9-1/15

Electronic Analoguing of the Hysteresis Characteristics of Magnetic Materials

amplifier through a suitable diode limiter. The relationship between the output and the input signals of this type of analogue is expressed by

$$U_{BhX} = U_{BX} \frac{C_{BX}}{C_o} = U_{BX} \operatorname{tg} \alpha, \quad (1)$$
$$\alpha = \operatorname{arc} \operatorname{tg} \frac{C_{BX}}{C_o}$$

where C_{BX} is the capacitance at the input of the amplifier, C_o is the capacitance in the feedback circuit, and α is the slope of the transfer characteristic. The coefficients of the circuit of Fig 5 are indicated in Table 1. The loop taken by means of the analogue of Fig 5 is shown in Fig 6, while the partial-symmetrical and non-symmetrical cycles (taken by the circuit) are illustrated in Fig 7. Further circuits, similar to that of Fig 5, are illustrated in Figs 8 and 9; the circuit of Fig 8 consists of a limiter, a functional memory device, an integrator and a functional converter; the circuit of Fig 9 consists of a functional converter, a functional

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